

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY OR DESIGN PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CEMENTED CARBIDE FOR OIL AND GAS APPLICATIONS WITH TOUGHNESS FACTOR

the specification of which (check only one item below):

- ☐ is attached hereto, and was amended on (if applicable).
- ☒ was filed as United States Application Number 10/691,629
on October 24, 2003
and was amended on _____ (if applicable).
- ☐ was filed as PCT International Application Number _____
on _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose to the office all information known to me to be material to patentability as defined in title 37, Code of Federal Regulations, Sec. 1.56 (as amended effective March 16, 1992);

I hereby claim foreign priority benefits under Title 35, United States Code, §§119 (a)-(d), 172 or 365 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

| PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §§119(a)-(d), 172 or 365: | | | |
|--|--------------------|--------------------------------------|--|
| COUNTRY (if PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 U.S.C. §§119, 172 OR 365 |
| SWEDEN | 0203157-3 | 25 October 2002 | YES_X NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |
| | | | YES_ NO_ |

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

| | | | | | |
|------------------------|--------|-------------------------|--------|---------------------|--------|
| Robert S. Swecker | 19,885 | William C. Rowland | 30,888 | Fred W. Hathaway | 32,236 |
| Piaton N. Mandros | 22,124 | T. Gene Dillahunty | 25,423 | Wendi L. Weinstein | 34,456 |
| Benton S. Duffett, Jr. | 22,030 | Patrick C. Keane | 32,858 | Donna M. Meuth | 36,607 |
| Norman H. Stepno | 22,716 | B. Jefferson Boggs, Jr. | 32,344 | Mark R. Kresloff | 42,766 |
| Ronald L. Grudziecki | 24,970 | Peter K. Skiff | 31,917 | Nhat D. Phan | 39,581 |
| Alan E. Kopecki | 25,813 | Richard J. McGrath | 29,195 | Claude A.S. Hamrick | 22,586 |
| Regis E. Slutter | 26,999 | Matthew L. Schneider | 32,814 | | |
| Samuel C. Miller, III | 27,360 | Michael G. Savage | 32,596 | | |
| Robert G. Mukai | 28,531 | Charles F. Wieland III | 33,096 | | |
| George A. Hovanec, Jr. | 28,223 | Bruce T. Wieder | 33,815 | | |
| James A. LaBarre | 28,632 | Todd R. Walters | 34,040 | | |
| E. Joseph Gess | 28,510 | Ronni S. Jillions | 31,979 | | |
| R. Danny Huntington | 27,903 | Harold R. Brown III | 36,341 | | |
| Eric H. Weisblatt | 30,505 | Allen R. Baum | 36,086 | | |
| James W. Peterson | 26,057 | Brian P. O'Shaughnessy | 32,747 | | |
| Teresa Stanek Rea | 30,427 | Kenneth B. Leffler | 36,075 | | |

All practitioners associated with
Customer No. **21839**

Address all correspondence to:

BURNS, DOANE, SWECKER & MATHIS, L.L.P.
Customer Number **21839**
P.O. Box 1404
Alexandria, Virginia 22313-1404

Address all telephone calls to: Jeffrey G. Killian at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | |
|-------------------------------------|---------------------------------------|
| Full Name of Sole or First Inventor | Michael John CARPENTER |
| Signature | <i>MT Carpenter</i> |
| Date | <i>December 16, 2003</i> |
| Residence (City, State, Country) | Nuneaton, England |
| Citizenship | English |
| Post Office Address | 166 Coleshill Road, Nuneaton, England |

☐ Additional inventors are being named on the Supplemental Additional Inventor(s) Sheet(s) attached hereto.